

Search History / Note

(FILE 'HOME' ENTERED AT 10:42:33 ON 18 NOV 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 10:42:36 ON 18 NOV 2004

| | |
|----|---------------------------------------|
| L1 | 763 S OLEOSIN OR CALEOSIN |
| L2 | 6 S L1 AND THIOREDOXIN |
| L3 | 6 DUP REM L2 (0 DUPLICATES REMOVED) |
| L4 | 104 S L1 AND FUSION |
| L5 | 63 S L1 (10N) FUSION |
| L6 | 39 DUP REM L5 (24 DUPLICATES REMOVED) |
| L7 | 32 S L6 AND OIL |
| L8 | 32 S L6 AND (OIL (2N) BODY) |
| L9 | 32 DUP REM L8 (0 DUPLICATES REMOVED) |

FILE 'STNGUIDE' ENTERED AT 10:45:27 ON 18 NOV 2004



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Field: Title, Limits: Publication Date to 1997

- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

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|--------------------|--|----------|----------------------|
| #7 | Search thioredoxin reductase gene Field: Title , Limits: Publication Date to 1997 | 12:05:50 | 12 |
| #6 | Search thioredoxin reductase Field: Title , Limits: Publication Date to 1997 | 12:05:10 | 169 |
| #5 | Search thioredoxin Field: Title , Limits: Publication Date to 1997 | 12:04:54 | 700 |
| #4 | Search thioredoxin Field: All Fields , Limits: Publication Date to 1997 | 12:04:43 | 1316 |
| #2 | Search 1.8.1.9[EC/RN Number] | 11:53:36 | 0 |
| #1 | Search 1.8.1.9[EC/RN Number] Limits: ignored | 11:53:33 | 0 |

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Nov 16 2004 07:00:47

| | Type | Hits | Search Text | DBs |
|----|------|--------|--|---|
| 1 | BRS | 200 | oleosin or caleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 2 | BRS | 17 | (oleosin or caleosin) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 3 | BRS | 3 | ((oleosin or caleosin) and thioredoxin) and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 4 | BRS | 4 | "6288304" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 5 | BRS | 2 | "6372234" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 6 | BRS | 1 | "6372234" and (oleosin or caleosin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 7 | BRS | 0 | "6372234" and ((oleosin or caleosin) and thioredoxin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 8 | BRS | 2 | "6288304" and ((oleosin or caleosin) and thioredoxin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 9 | BRS | 4 | "6288304" and (oleosin or caleosin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 10 | BRS | 2 | ("6288304" and (oleosin or caleosin)) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 11 | BRS | 28 | (oleosin or caleosin) and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 12 | BRS | 21 | ((oleosin or caleosin) and emulsion) and (food or personal or treat) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 13 | BRS | 9 | ((oleosin or caleosin) and emulsion) and (food or personal or treat)) and pharmaceutical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 14 | BRS | 2 | "2002050289" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 15 | BRS | 238154 | Van Rooijen, Gijs | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|----|------|---------|---|---|
| 16 | BRS | 18 | Van and Rooijen and Gijs | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 17 | BRS | 0 | WO0250289 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 18 | BRS | 21 | "0250289" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 19 | BRS | 0 | ZAPLACHINSKI near1 STEVE | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 20 | BRS | 10 | deckers near1 harm | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 21 | BRS | 1942 | METHODS AND PRODUCTION AND MULTIMERIC and PROTEINS AND RELATED and COMPOSITIONS | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 22 | BRS | 0 | (METHODS AND PRODUCTION AND MULTIMERIC and PROTEINS AND RELATED and COMPOSITIONS).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 23 | BRS | 3955388 | (METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS, AND RELATED COMPOSITIONS).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 24 | BRS | 178 | van near1 rooijen | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 25 | BRS | 14743 | pharmaceuticals near5 cosmetics | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 26 | BRS | 14 | (pharmaceuticals near5 cosmetics) and oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 27 | BRS | 133 | oil near3 body near3 protein | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 28 | BRS | 9 | (oil near3 body near3 protein) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 29 | BRS | 1913 | oil and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 30 | BRS | 14 | oil near5 thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 31 | BRS | 14 | oil near10 thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|----|------|-------|--|--|
| 32 | BRS | 2 | "6531648" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 33 | BRS | 1 | "6531648" and oil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 34 | IS&R | 4 | ((("5683740") or ("5613583"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 35 | BRS | 0 | ((("5683740") or ("5613583"))).PN.) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 36 | BRS | 3259 | oil near1 body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 37 | BRS | 292 | oleosin or caleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 38 | BRS | 29 | (oleosin or caleosin) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 39 | BRS | 23 | (oil near1 body) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 40 | BRS | 42 | (oil near1 body) and (allergen or allergenic or allergenicity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 41 | BRS | 75 | (oil near1 body) and (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 42 | BRS | 45063 | 11near15 (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 43 | BRS | 20 | (oil near1 body) near15 (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 44 | BRS | 4 | "9612799" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 45 | BRS | 3122 | thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 46 | BRS | 50 | thioredoxin and (oleosin or caleosin or (oil near2 body) or (lipid near2 body) or oleosome or spherosome) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|----|------|-------|---|--|
| 47 | BRS | 2509 | thioredoxin and fusion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 48 | BRS | 411 | thioredoxin near5 fusion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 49 | IS&R | 4 | ((("5831049") or ("5952034"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 50 | BRS | 2 | ((("5831049") or ("5952034"))).PN.) and fusion and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 51 | BRS | 2078 | thioredoxin and fusion and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 52 | BRS | 33945 | thioredoxin near10 fusionnear10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 53 | BRS | 18 | thioredoxin near10 fusion near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 54 | BRS | 4 | caleosin and oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 55 | BRS | 7785 | oil near2 body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 56 | BRS | 44 | oleosin and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 57 | BRS | 291 | oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 58 | BRS | 268 | oleosin and (cdna or dna or cloning) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 59 | BRS | 3 | (oleosin and (cdna or dna or cloning)) and (safflower near2 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 60 | BRS | 37 | (safflower near2 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 61 | BRS | 6 | safflower near10 transformation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 62 | BRS | 10721 | safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|----|------|-------|--|---|
| 63 | BRS | 2 | safflower and heterolgous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 64 | BRS | 422 | safflower and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 65 | BRS | 0 | safflower near heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 66 | BRS | 3 | safflower near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 67 | BRS | 3 | safflower near15 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 68 | BRS | 9 | safflower near15 recombinant | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 69 | BRS | 64641 | host near1 cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 70 | BRS | 7 | (host near1 cell) near15 safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 71 | BRS | 788 | Carthamus near1 tinctorius | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 72 | BRS | 0 | (Carthamus near1 tinctorius) near10 (host near1 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 73 | BRS | 0 | (Carthamus near1 tinctorius) near10 transformation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 74 | BRS | 0 | (Carthamus near1 tinctorius) near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 75 | BRS | 10721 | safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 76 | BRS | 1531 | safflower and protein and production and cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 77 | BRS | 397 | (safflower and protein and production and cell) and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 78 | BRS | 371 | ((safflower and protein and production and cell) and heterologous) and recombinant | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|----|------|------|---|---|
| 79 | BRS | 22 | "5530186" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 80 | BRS | 11 | "6146645" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 81 | BRS | 248 | oleosin and soybean | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 82 | BRS | 268 | oleosin and (cdna or dna or cloning or cloned) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 83 | IS&R | 4 | (("6372234") or ("6183762") or ("6146645")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 84 | BRS | 20 | "5792922" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 85 | BRS | 3 | "9320216" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 86 | BRS | 47 | "5650554" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 87 | IS&R | 2 | ("5650554") .PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

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(2004) on STN

AN 2004:36653 AGRICOLA

DN IND43636605

TI Method for bacterial expression and purification of sesame cystatin via
artificial **oil bodies**.

AU Peng, C.C.; Shyu, D.J.H.; Chou, W.M.; Chen, M.J.; Tzen, J.T.C.

AV DNAL (381 J8223)

SO Journal of agricultural and food chemistry, p. 3115-3119
ISSN: 0021-8561

NTE Includes references

DT Article

FS Other US

LA English

AB A method was developed for production of sesame cystatin, a thermostable
cysteine protease inhibitor. Sesame cystatin was first expressed in
Escherichia coli as an insoluble recombinant protein fused to oleosin, a
unique structural protein of seed **oil bodies**, by a
short hydrophilic linker peptide. Stable artificial **oil
bodies** were constituted with triacylglycerol, phospholipid, and
the insoluble **oleosin-cystatin fusion** protein. After
centrifugation, the **oleosin-cystatin fusion** protein
was exclusively found in the artificial **oil bodies**.
Proteolytic cleavage with papain, a cysteine protease effectively
inhibited by cystatin, separated soluble cystatin from oleosin that was
firmly embedded in the artificial **oil bodies**. After
recentrifugation, papain that coexisted with cystatin in the collected
supernatant was denatured by incubating at 55 (degree)C for 30 min. The
insoluble denatured papain was removed by one more centrifugation, and the
expressed cystatin of high yield and purity was harvested simply by
concentrating the ultimate supernatant. Comparable inhibitory activity
toward papain was observed between the expressed cystatin and the native
one purified from sesame seeds. This method is presumably applicable to
production of other protease inhibitors whose target proteases are
economically available.

L9 ANSWER 24 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:717365 CAPLUS
DN 126:44366
TI **Oil bodies** of transgenic Brassica napus as a source of
immobilized β -glucuronidase
AU Kuehnelt, Blanka; Holbrook, Larry A.; Moloney, Maurice M.; van Rooijen,
Gijs J. H.
CS Department Biological Sciences, University Calgary, Calgary, AB, T2N 1N4,
Can.
SO Journal of the American Oil Chemists' Society (1996), 73(11), 1533-1538
CODEN: JAOCA7; ISSN: 0003-021X
PB AOCs Press
DT Journal
LA English
AB The process of immobilizing enzymes is a major cost factor in the
utilization of heterogeneous catalysts on an industrial scale. We have
developed a new strategy, based on plant genetic manipulation, for the
production of foreign peptides associated with the **oil body**
in plant seeds. Seeds of transgenic rapeseed can be produced on a large
scale at relatively low cost. Furthermore, **oil bodies**
are readily isolated from seeds by flotation centrifugation. In this
paper, we describe some phys. and operational properties of an **oil**
body-fusion protein complex and its suitability as a heterogeneous
catalyst. **Oil bodies** from rapeseed, corn, and flax
aggregate at pH 5, which facilitates their recovery by flotation.
Oil bodies from transgenic rapeseed, carrying the
reporter gene β -glucuronidase or the pharmaceutical peptide, hirudin,
also aggregate in the same range. This aggregation is reversible.
Oil bodies are resistant to a wide range of pH, with
some lysis occurring (<10%) at the extremes. They are resistant to
shearing forces, such as stirring. The thermal and pH stabilities, as
well as the catalytic activity of β -glucuronidase expressed on the
oil body surface, are comparable to those of free
 β -glucuronidase enzyme.

L9 ANSWER 25 OF 32 AGRICOLA Compiled and distributed by the National
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 AN 97:15352 AGRICOLA
 DN IND20550053
 TI Production of biologically active hirudin in plant seeds using oleosin
 partitioning.
 AU Parmenter, D.L.; Boothe, J.G.; Rooijen, G.J.H. van.; Yeung, E.C.; Moloney,
 M.M.
 CS University of Calgary, Calgary, Alberta, Canada.
 AV DNAL (QK710.P62)
 SO Plant molecular biology, Dec 1996. Vol. 29, No. 6. p. 1167-1180
 Publisher: Dordrecht : Kluwer Academic Publishers.
 CODEN: PMBIDB; ISSN: 0167-4412
 NTE Includes references
 CY Netherlands
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English
 AB A plant oleosin was used as a 'carrier' for the production of the leech
 anticoagulant protein, hirudin (variant 2). The **oleosin-hirudin**
fusion protein was expressed and accumulated in seeds.
 Seed-specific expression of the **oleosin-hirudin fusion**
 mRNA was directed via an Arabidopsis **oleosin** promoter. The
fusion protein was correctly targeted to the **oil**
body membrane and separated from the majority of other seed
 proteins by flotation centrifugation. Recombinant hirudin was localized to
 the surface of **oil bodies** as determined by
 immunofluorescent techniques. The **oleosin-hirudin fusion**
 protein accumulated to ca. 1% of the total seed protein. Hirudin was
 released from the surface of the **oil bodies** using
 endoprotease treatment. Recombinant hirudin was partially purified through
 anion exchange chromatography and reverse-phase chromatography. Hirudin
 activity, measured in anti-thrombin units (ATU), was observed in seed
oil body extracts, but only after the proteolytic
 release of hirudin from its oleosin 'carrier'. About 0.55 ATU per
 milligram of **oil body** protein was detected in cleaved
oil body preparations. This activity demonstrated linear
 dose dependence. The **oleosin fusion** protein system
 provides a unique route for the large-scale production of recombinant
 proteins in plants, as well as an efficient process for purification of
 the desired polypeptide.

L9 ANSWER 27 OF 32 MEDLINE on STN
 AN 96191283 MEDLINE
 DN PubMed ID: 8616216
 TI Production of biologically active hirudin in plant seeds using oleosin partitioning.
 AU Parmenter D L; Boothe J G; van Rooijen G J; Yeung E C; Moloney M M
 CS Department of Biological Sciences, University of Calgary, Alberta, Canada.
 SO Plant molecular biology, (1995 Dec) 29 (6) 1167-80.
 Journal code: 9106343. ISSN: 0167-4412.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199606
 ED Entered STN: 19960620
 Last Updated on STN: 19960620
 Entered Medline: 19960613
 AB A plant oleosin was used as a 'carrier' for the production of the leech anticoagulant protein, hirudin (variant 2). The **oleosin-hirudin fusion** protein was expressed and accumulated in seeds. Seed-specific expression of the **oleosin-hirudin fusion** mRNA was directed via an Arabidopsis **oleosin** promoter. The fusion protein was correctly targeted to the **oil body** membrane and separated from the majority of other seed proteins by flotation centrifugation. Recombinant hirudin was localized to the surface of **oil bodies** as determined by immunofluorescent techniques. The **oleosin-hirudin fusion** protein accumulated to ca. 1% of the total seed protein. Hirudin was released from the surface of the **oil bodies** using endoprotease treatment. Recombinant hirudin was partially purified through anion exchange chromatography and reverse-phase chromatography. Hirudin activity, measured in anti-thrombin units (ATU), was observed in seed **oil body** extracts, but only after the proteolytic release of hirudin from its oleosin 'carrier'. About 0.55 ATU per milligram of **oil body** protein was detected in cleaved **oil body** preparations. This activity demonstrated linear dose dependence. The **oleosin fusion** protein system provides a unique route for the large-scale production of recombinant proteins in plants, as well as an efficient process for purification of the desired polypeptide.

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments |
|---|------|-----|------|--------------------------------------|--|----------------------|----------|
| 1 | BRS | L1 | 8 | thioredoxin near10 cosmetic | US- PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/1 8 16:25 | |
| 2 | BRS | L2 | 50 | thioredoxin near10 antioxidant | US- PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/1 8 16:26 | |
| 3 | BRS | L3 | 15 | thioredoxin near10 pharmaceutical | US- PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/1 8 16:27 | |
| 4 | BRS | L4 | 63 | thioredoxin near10 composition | US- PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/1 8 16:33 | |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments |
|---|------|-----|------|---------------------------|--|------------------|----------|
| 5 | BRS | L5 | 36 | thioredoxin near10 food | US-PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/18 16:42 | |
| 6 | BRS | L6 | 1918 | thioredoxin and reductase | US-PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/18 16:42 | |
| 7 | BRS | L7 | 561 | 16 and cosmetic | US-PGPUB ; USPAT ; EPO; JPO; DERWE NT; IBM_T DB | 2004/11/18 16:42 | |